

TO SOUTH WACKER DRIV ., SUITE 3000 CHICAGO, ILLINOIS 6060 6

TEL: 312.463.5000 FAX: 312.463.5001 www.bannerwitcof.com

FACSIMILE TRANSMITTAL SHEET				
TO:	FROM:	RECEIVED		
USPTO	Charles L. Miller	CENTRAL FAX CENTER		
COMPANY:	DATE:	APR 1 2 2006		
USPTO	April 12, 2006	;		
FAX NO.:	TOTAL NO. OF PAGES: (i	ncluding cover she :t)		
(571) 273-8300	4			
YOUR REFERENCE NO.:	OUR REFERENCE (C/M)	NO.:		
10/646,524	004770.00511			

RE:

In re: Appln of Paolo Priotti Appln. No. 10/646,524 Filed: August 22, 2003

For: Method and Apparatus for Frequency Synchronization in MIMO-OFDM Wir sless

Communication Systems

OFFICIAL FAX

If you do not receive all page(s) or have any problems receiving this transmission, please call

NAME:	PHONE:
Lydia Vega	312-463-5539

COMMENTS:

I hereby certify that the following correspondence is being facsimile transmitted to the Patent and Trademark Office on April 12, 2006 to (571) 273-8300:

*Power of Attorney; and

*Statement Under 37 CFR 3,73(b).

Signature:

Charles L. Miller Reg. No. 43 805

Important/Confidential: This message is intended only for the use of the individual or entity to whom it is addressed. This message contains information from the law firm of Banner & Witcoff, Ltd. which may be privileged, confidential or exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are hereby notified that any dissermation, distribution, retention, archiving, or copying of the communication is strictly prohibited. If you have received this communication in error, please notify us immediately at our telephone number listed above. We will be happy to arrange for the return of this message to our offices at no cost to you.

CHICAGO

WASHINGTON, D.C.

BOSTON

PORTLAND, OR

PT XSB/21 (09-04)
Approved for use through 07/31/2006. XMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT I F COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid CM i control number.

TRANSMITTAL FORM		Application Numb	er	10/646,52	24	
		Filing Date		August 22		
		First Named Inver	First Named Inventor Paolo Priotti			
		Art Unit		2661		
(to be used for all correspondence after	Examiner Name		TBA			
Total Number of Pages in This Submiss		Attorney Docket N	lumber	004770.0	0511	フ
	ENÇLO	SURES (check all th	at apply)		······································	
Fee Transmittal Form	Drawing(s			After Al	lowance Commur	cation to TC
Fee Attached	Licensino	-related Papers			Communication to	
Amendment / Reply	Petition			Appeal	eals and Interfered Communication to Notice, Brief, Repty	TC
After Final		Convert to a all Application		Proprier	Dilety	
Affidevits/declaration(s)	Power of A	Attomey, Revocation f Correspondence Add	irėss	Statue (
Extension of Time Request	Terminal [Terminal Disclaimer			Enclosure(s) identify below)	
Express Abandonment Request	Request for Refund CD, Number of CD(s)				Jnder37 CFIR 3.7:	(b)
Information Disclosure Statement	☐ Landscape Table on CD			Power of Al	uorney	
Certified Copy of Priority Document(s)	Remarks in payment o	The Commissio	ner is here nent to ou	by authoriz	ed to charge any scount 19-0733.	deficiencles
Reply to Missing Parts/ Incomplete Application						
Reply to Missing Parts under 37 CFR1.52 or 1.53						
SIGI	NATURE OF	APPLICANT, ATTO	RNEY, O	RAGENT		
Fiπn	Banner &	Witcoff, LTD.			· _ ·	
Signature Cloud III						
Printed Name	Charles L. Miller					
Date	April 12, 2006 Reg. No. 43,805					
CERTIFICATE OF TRANSMISSION/MAILING						
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mall in an envelope addressed to: Commissioner for Patents, P.C. Box 1450, Alexandria, VA 22313-1450 on the date shown below.						
Signature / or /	Smith					
Typed or printed name	1 Saget	4		Date	April 12, 2006	

This collection of information is required by 97 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to fill (and y the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minute: to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Criticer, J.S. Peters and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTC/SE 98 (04-03)
Approved for use through 04/30/2003, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF C IMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid ONB corr of number.

STATEMENT UNDER S	7 CFR 3.73(b)
Applicant/Patent Owner: Nokla Corporation	
Application No./Patent No.: 10/646,524 Filed/is	sue Date: August 22, 2003
Entitled: Method and Apparatus for Frequency Synchronization in	MIMO-OFDM Wireless Communication Syster is
Nokia Comoration a Corporation	
(Name of Assignee) (Type of Assignee,	e.g., corporation, partnership, university, government age 10y, etc.)
states that it is:	
 the assignee of the entire right, title, and interest; or 	•
an assignee of less than the entire right, title, and interest	nest
The extent (by percentage) of its ownership interest	t is %
in the patent application/patent identified above by virtue of either:	
A. An assignment from the Inventor(s) of the patent applications recorded in the Patent and Trademark Office at Reel 014925 attached.	patent identified above. The assignment was , Frame <u>0729</u> , or for which a copy thereof is
OR	
B. A chain of title from the inventor(s), of the patent application/ shown below:	patent identified above, to the current eskilgner as
1. From: To:	
The document was recorded in the United States Paten	t and Trademark Office at
Reel, Frame, or for which a copy thereof k	e attached.
2. From: To:	
The document was recorded in the United States Paten	
Reel, Frame, or for which a copy thereof is	s attached.
3. From:	
The document was recorded in the United States Patent	and Trademark Office at
Reel, Frame, or for which a copy thereof is	s attached.
Additional documents in the chain of title are listed on a	supplemental sheet.
Copies of assignments or other documents in the chain of title a [NOTE: A separate copy (i.e., the original assignment document must be submitted to Assignment Division in accordance with 37 recorded in the records of the USPTO. See MPEP 302.8]	or a true copy of the original document)
The undersigned (whose title is supplied below) is empowered to significant	on this statement on behalf of the assigning.
April 12, 2006	way TV
Date	Signature
312-463-5000	Charles L. Miller
Telephone Number	Typed or printed name
	Counsel of Record, Reg. No. 43,805
	Title

This collection of information is required by 37 CFR 3.73(b). This information is required to obtain or retain a benefit by the public v hich is to file (and by the USPTO to process) an application. Confidentiality is governed by \$5 U.S.C. 122 and 37 CFR 1.14. This co ection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this for a end/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Petent and Trademark Office, U.S. Disparament of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRES 3. SEND TO: Commissioner for Patants, P.O. Box 1450, Alexandria, VA 22313-1450.

if you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

rited	August 22.	2003	 •	

Title: Method and Apparatus for Frequency Synchronization in

MIMO-OFDM Wireless Communication Systems

Attorney Docket No.: 004770.00511

PT: VSB/88 (04.05)
Approved for use through 11/80/2018. I MB 0651-0038
U.S. Patent and Trademark Office; U.S. DEPARTNENT C = COMMERCE
Under the Paperwork Reduction Act of 1665, no persons are required to respond to a collection of information unitere & displays a valid OMB united number.

<u></u>		A ATTORNET TO PRO	BECUIE APPLICA	ATIONS BEFORE THE U	31'10
3/ CP	<u> (3./3(D),</u>	previous powers of attorney of	given in the application	dentified in the atteched state	em int under
∑ Pī		ociated with the Customer Number; amed below (if more than len patent p	22907	d, then a contourer number must be u	seď,
lΓ		Name	Registration Number	Nama	F egistration
·[****	140(00)		Number
				· · . · · · · · · · · · · · · · · ·	
_					
-					
es ettorno	y(8) or agent(s) to represent the understaned before	g the United States Date-4	and Trademark Office (USPTO) in con	L
		ations assigned only to the undersign scoolderica with 37 CFR 3.73(b).	and according to the USPT	o sessignament canocide of essignament q	iden uenge Ver om Aven
		epondence address for the application	n identified in the attached	Statement under 97 CSFR 9.79/h) to	
ان		Securisted with Customer Number:	22907		
Fin	m or Ilvidual Name				
Address	Internal Majtio	,	-,		
City		<u></u>	State	Zīb	
Country	-				~-
Telephor	19	- 	l Email		
<u> </u>		<u> </u>			
Assignee !	Name and Add	Nokla Corporati Keilalahdentie 4 FIN-02150, Esp FINLAND	1		
the prace	Misners som		The statement under 3	PTO/SERS or equivalent) is req PTO/SERS (b) may be complete orized to act on behalf of the ap led.	
		<u>-</u>	E of Assistance of Record	•	
Signature				Date 14 October	- 20C
Veline	Sam Sar	à ·		Telaphone+358 50 48	
Йo	IPR Exter	rnal Associates Manager		1	· · · · · · · · · · · · · · · · · · ·

This collection of information is required by 37 CFR 1.51, 1.32 and 1.33. The information is required to obtain or retain a benealt by the public valids is in file (and by the USPTO to procuse) an application. Confidencially is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 6 rejective to complete, including gathering, preparing, and administing the complete department form to the USPTO. There will vary department of tens you require to complete the formation form to the current of tens you require to complete the formation requires to the careant of tens you require to complete the formation requires the characteristic or the careant of tens you require to complete the formation requires to other sections of the surface of the point of tension of ten

If you need essistence in completing the form, call 1-800-PTO-9199 and select option 2.